

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

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***Device Specifications:***

Device Type: Video Projector  
Manufacturer: BenQ  
Firmware Version: V1.03  
Model(s): MW860USTI

***Version History:***

Driver Version	Date	IP Link Compiler	GC Version	Notes
2	1/6/2014	1.6.0	3.5.1	Extron Certified. Tested on MW860USTI. Added note for power off issue and fix status.
1	2/22/2012	1.5.1	3.3.1	Initial version.

***Driver Notes:***

In order for driver to work properly, turn on network mode by going to MENU > SYSTEM SETUP: Advanced > Standby Settings > Network > On.

# IP Link® Device Interface Communication Sheet

## Control Commands & States:

<b>Aspect Ratio</b>	4:3	16:9	16:10
	Real	Auto	Letterbox
	Wide	Anamorphic	
<b>Audio Mute</b>	On	Off	
<b>Auto Image</b>	Execute		
<b>Digital Zoom</b>	Zoom In	Zoom Out	
<b>Freeze</b>	On	Off	
<b>Input</b>	Computer1 RGB	Computer2 RGB	HDMI
	Composite Video	S-Video	Network
	USB Display		
<b>Lamp Mode</b>	Normal	Eco	
<b>Menu Navigation</b>	Up	Down	Left
	Right	Enter	On
	Off		
<b>Picture Mode</b>	Dynamic	sRGB	Cinema
	User1	User2	Presentation
<b>Power Control</b>	On	Off	
<b>Video Mute</b>	On	Off	
<b>Volume (Step)</b>	Up	Down	
<b>Volume Level Status</b>	0 to 10 in steps of 1		

# IP Link® Device Interface Communication Sheet

## Status Available:

<b>Aspect Ratio</b>	4:3	16:9	16:10
	Real	Auto	Letterbox
	Wide	Anamorphic	
<b>Audio Mute</b>	On	Off	
<b>Connection Status</b>	Connected	Disconnected	
<b>Freeze</b>	On	Off	
<b>Input</b>	Computer1 RGB	Computer2 RGB	HDMI
	Composite Video	S-Video	Network
	USB Display		
<b>Lamp Mode</b>	Normal	Eco	
<b>Lamp Usage</b>	Hours		
<b>Picture Mode</b>	Dynamic	sRGB	Cinema
	User1	User2	Presentation
<b>Power Control</b>	On	Off	
<b>Power Status</b>	On	Off	Status Unavailable
<b>Video Mute</b>	On	Off	
<b>Volume Level Status</b>	0 to 10 in steps of 1		

**MLC60 Series Supported Commands:**

<b>Aspect Ratio</b>	4:3	16:9	16:10
	Real	Auto	Letterbox
	Wide	Anamorphic	
<b>Audio Mute</b>	On	Off	
<b>Auto Image</b>	Execute		
<b>Digital Zoom</b>	Zoom In	Zoom Out	
<b>Freeze</b>	On	Off	
<b>Input</b>	Computer1 RGB	Computer2 RGB	HDMI
	Composite Video	S-Video	Network
	USB Display		
<b>Lamp Mode</b>	Normal	Eco	
<b>Menu Navigation</b>	Up	Down	Left
	Right	Enter	On
	Off		
<b>Picture Mode</b>	Dynamic	sRGB	Cinema
	User1	User2	Presentation
<b>Power Control</b>	On	Off	
<b>Video Mute</b>	On	Off	
<b>Volume (Step)</b>	Up	Down	
<b>Volume Level Status</b>	0 to 10 in steps of 1		

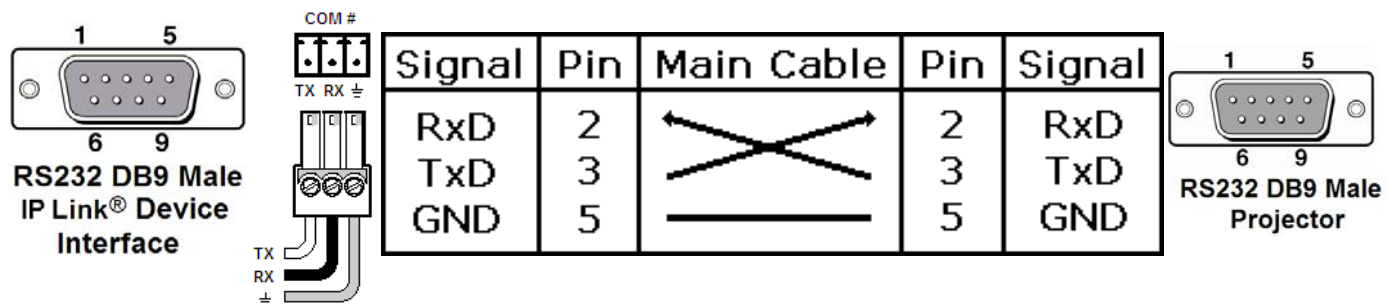
**Cable and Adapter Requirements:**

M/F DB9 RS232 null modem serial cable.

**Notes for the Device:****Serial communication:**

**Port Type:** RS-232  
**Baud Rate:** 115200  
**Data Bits:** 8

**Parity:** None  
**Stop Bits:** 1  
**Flow Control:** None

**Pin Assignments Diagram:**

Note: Captive screw connector may also be used as a serial connection.

**General Notes:**